



**BRISBANE
POWERHOUSE
ARTS**

Powerhouse Theatre technical information and general specifications 2019

General Information

THEATRE ACCESS

Artist access to the Powerhouse Theatre is via either the stage door, the lower loading dock or through the theatre doors in the foyer.

DRESSING ROOMS

Three dressing rooms are available to Hirers of the Powerhouse Theatre. Two are at stage level and another is located one level above next to the green room. All dressing rooms have toilets and showers.

GREEN ROOM

The Green Room is located one level above the stage. It is available for all staff to use and on occasion doubles as a meeting room. There is an urn on the wall and a fridge for general use.

AIR CONDITIONING

The Powerhouse Theatre and its associated dressing rooms are air-conditioned.

DISABLED ACCESS

The stage of the theatre is at foyer level and is accessible by disabled persons. Any additional requirements should be communicated to the Technical Services Department.

LAUNDRY FACILITIES

Basic laundry facilities are available with prior arrangement. Limited hand sewing tools are available for wardrobe repairs, but no sewing machinery is available.

SMOKING

The Brisbane Powerhouse is a non-smoking venue. By law smoking can only take place only in Designated Smoking Areas.

INSURANCE

Details of insurance are provided with the venue contract.

RUBBISH

All Hirer rubbish must be removed from the theatre and dressing rooms at the conclusion of bump out. A small amount of rubbish can be disposed of in the venue bins but excess usage will incur charges.

PRODUCTION MEETINGS

Production meetings between Brisbane Powerhouse Technical staff and the Hirer may be requested to determine production requirements.

TECHNICAL STAFF

Brisbane Powerhouse requires a minimum of two technical staff to be present when the Hirer is in the Powerhouse Theatre. Brisbane Powerhouse may determine additional technical staff are necessary dependent on production requirements.

AWARD CONDITIONS

All technical staff at Brisbane Powerhouse work under the conditions of the Live Performance Award 2010. It is the responsibility of the Hirer to be familiar with the conditions of the Award. Brisbane Powerhouse can supply the Award on request.

WORKPLACE HEALTH AND SAFETY

The Hirer shall ensure safe work practices are adhered to by their staff and defer to the venue staff if there is a question of safety and/or damage to the venue or equipment.

All visiting Hirers including cast and crew must undergo a venue specific induction in regard to fire evacuation and workplace health and safety. A copy of the Brisbane Powerhouse fire evacuation procedure is available on request. It is a requirement of Brisbane Powerhouse that closed shoes be worn on stage for all site inspections, bump in and bump out.

All electrical equipment entering the building must carry the appropriate test and tag documentation. Every Hirer must provide Brisbane Powerhouse with appropriate risk assessment documentation.

HEIGHT SAFETY

Height safety equipment as required is provided as part of the venue hire. Hirer staff must be inducted if its use is required. All staff doing work that requires a harness must have working at heights certification and use a harness and head protection.

RIGGING OVERHEAD

All rigging is at the discretion of the Technical Director and the Head of staging.

LOADING ACCESS

Brisbane Powerhouse has two loading dock facilities. For rear loading trucks and vehicles, the lower loading dock is accessible from the car park and provides access to the Powerhouse Theatre via a lift from the ground floor. Please see below for access dimensions.

The upper loading dock, accessible by prior arrangement with Brisbane Powerhouse, provides direct stage access to the Powerhouse Theatre for rear loading trucks and vehicles. The upper loading dock can accommodate a 40' semi-trailer.

A forklift is available via prior arrangement with Brisbane Powerhouse for side loading trucks. Please see below for dimensions.

Upper Loading Dock:

Door width:	3.4m
Height clearance:	6.2m
Loading height:	0.7m – 2.3m
Table lift capacity:	2000kg

Lower Loading Dock:

Door clearance:	2.7m x 3.5m (W x H)
Vehicle clearance height:	3.7m
Corridor clearance:	1.76 x 2.73 (W x H)
Loading height:	Ground

Lift to Stage Level:

Door width:	1.3m
Door height:	2.0m
Internal:	1.5m x 2.3m x 2.17m (W x D x H)
Capacity:	1700 Kg

EQUIPMENT DELIVERY

All production related deliveries must be itemised and all details such as hire company and delivery times should be given to the appropriate Technical Services staff prior to bump in. All equipment must have the suitable number of people to unload it. All equipment must be removed following the final performance. Anything left at the venue for more than half a day may incur charges.

NOISE LEVELS

The Powerhouse Theatre noise levels are limited to 110db (C). The levels are measured 3 meters from the source with the dB meter in C weighting and fast response.

ASSISTED LISTENING SYSTEM

The venue is equipped with an UHF assistive hearing system for patrons. Headsets are collected by patrons from box office as needed.

FIRE SERVICES

Use of a smoke machine, hazer, aerosolised paint, metal cutting tools, or anything that is likely to trigger the venue smoke detectors will require the alarm system to be isolated. The isolation can only be performed by appropriate venue staff. On occasion additional venue staff may be required ensure adequate fire monitoring.

Any charges arising from false alarms, including the cost of Fire Brigade attendance are the responsibility of the Hirer.

ACCESS EQUIPMENT AND LADDERS

Brisbane Powerhouse has a range of ladders and height access equipment available. Hirer use of this equipment is at the discretion of Brisbane Powerhouse Technical Services staff and will require an induction in its use.

WORKSHOP FACILITIES

Brisbane Powerhouse has a small workshop and basic tools available for Hirers to use at the Technical Directors discretion.

STAGE MANAGEMENT SYSTEM

The Stage Managers Desk (SMD) is located prompt side. The system has full paging and relay to the dressing rooms attached to the Powerhouse Theatre. As part of the venue hire, single channel wired comms packs are provided at the SMD, sound desk and lighting desk. Additional comms are available for hire if required. It also features an in-built cue light system and stage monitor.

POWER

Brisbane Powerhouse works on a distributed dual earth power system. 40 amp 3 phase outlets are distributed throughout the theatre. A reasonable supply of 240v leads are available within the space. The audio system operates on an Uninterruptable Power Supply (UPS) to condition the power and is on a separate earth to regular mains power.

Venue Layouts

The Powerhouse Theatre is a studio style space with a variety of stage and seating configurations. The venue is supplied in the standard layout as part of the standard hire. Listed below are the alternate venue layouts. Any changes from the standard layout will incur a labour cost to reconfigure the space.

STANDARD LAYOUT

The stage size in Standard mode is approx. 13m x 9.5m (dependent on masking.)

Removable Pit Seating	46
Seating bank rows A to P	379
Upper Galleries (restricted viewing)	22
Lower Galleries	32
Balcony	49
Total Capacity	528

DANCE LAYOUT

In Dance Mode the pit seating is removed. The stage size is approx. 13m x 12m (dependent on masking and show requirements.) A black harlequin dance floor is available for hire.

Seating bank rows A to P	379
Upper Galleries (restricted viewing)	22
Lower Galleries (restricted viewing)	32
Balcony Seating (restricted viewing)	49
Total Capacity	482

CABARET LAYOUT

In Cabaret mode the seating bank is partially retracted, the pit seating is removed, and 35 tables are placed on the venue floor in front of the seating bank. The stage size in this mode is 10m x 5m x .8m.

Seating bank rows B to I	184
Table seating	210
Upper Galleries (restricted viewing)	22
Lower Galleries	32
Balcony	49
Total Capacity	497

In extended mode the pit seating is removed and eight rows of chairs are placed on the venue floor. The stage size in this mode is 12m x 4m x 1m.

Seating bank rows A to P	379
Flat Floor Chairs	234
Upper Galleries (restricted viewing)	22
Lower Galleries	32
Balcony	49
Total Capacity	716

FLAT FLOOR LAYOUT

The seating bank is retracted and pit seating removed to create a large flexible space with multiple stage options.

Standing Room	729
Upper Galleries (restricted viewing)	22
Lower Galleries	32
Balcony Seating	49
Total Capacity	832

REDUCED SEATING LAYOUT

Seating remains in standard mode, but a curtain is dropped from the balcony level to reduce stalls capacity.

Removable Pit Seating	46
Stall Rows A to I	184
Total Capacity	230

THEATRE PLANS

Plans and pictures of the venue are available from brisbanepowerhouse.org. CAD drawings are available on request from the Technical Services Department.

EXTENDED SEATING LAYOUT

Staging Information

Staging options in the Powerhouse Theatre are extremely flexible. The Powerhouse Theatre does not have a fly tower or Proscenium. Rigging in the space takes place from I beams which run up and downstage spaced at 2.1m. The grid loading is co-dependent. All rigging must be submitted to Brisbane Powerhouse Technical Services a minimum of 6 weeks prior to bump-in so load calculations can be completed. Along with the equipment listed below additional staging and rigging equipment is available for hire.

STAGE FLOOR

The stage is a sprung timber dance floor. The top deck is 6mm thick Masonite painted with black low sheen Dulux X10. The floor has a 750kg per square meter distributed load. Screwing into surface is permitted but requires assessment and approval from the Technical Services.

RIGGING

- 5 x fixed catwalks with an upstage and downstage upper and lower lighting bar comprising of 48mm heavy wall steel scaffold pipe
- Lower lighting bar height is 9.6m to the underside of the pipe
- Upper lighting bar height is 10.5m to the underside of the pipe
- 60kg per metre max distributed load on lighting bars
- 75mm I beams span the roof from US to DS spaced 2.1m apart and are 11.5m from floor to underside of beam
- 4 x powered fly bars with a WLL of 300kg
- 1 x 14m length of 300mm Global tri-truss suspended mid-stage from 2 x 1 tonne chain motors (subject to prior agreement and SWL)
- 1 x 14m length of 500mm Box truss suspended US from 2 x 1 tonne chain motors (subject to prior agreement and SWL)

DRAPES

The standard masking in the space consists of:

- 1 x pair of rear tabs, 8.0m x 9.0m each on track rigged from US box truss (75% fullness)
- 1 x pair of mid stage tabs, 8.0m x 10.5m on track rigged from motorized bar 4 (75% fullness)
- 10 x 2.0m x 6.9m flat wool legs (moveable US/DS on Unistrut track.)
- Basic PS and OP Panorama masking

ADDITIONAL MASKING

Additional masking is available at the Hirers expense.

- 1 x 4.6m deep black wool border (flat)
- 1 x 3.5m deep black wool border (flat)
- 1 x 2m deep black wool border (flat)
- 1 x 1m deep black wool border (flat)
- 1 x white cyclorama, 14.0m x 9.0m
- 1 x black sharks tooth gauze / scrim 14.0m x 9.0m

**Please note: use of the Cyclorama and rear tabs will reduce stage depth by 0.5m. Please contact Brisbane Powerhouse Technical Services for details.*

FALSE PROSCENIUM

The proscenium consists of a 500mm x 14m Box truss with a 2m border. Trim is 7m with a teaser and tabs to adjust aperture.

Lighting Information

Lighting is rigged from five fixed bridges with upper and lower lighting bars located on the upstage and downstage sides of each catwalk. The height to the underside of the lower and upper lighting bars is 9.6m and 10.5m respectively. The Lighting bars are fixed to the bridges. Additional lighting positions are available from the galleries and from the motorised bars and trusses with prior arrangement. A standard lighting rig is provided as part of the standard room hire. For point loads and rigging information please refer to the rigging section.

LIGHTING FIXTURES

- 8 x EK LED Full Colour Profile 19°
- 7 x EK LED Full Colour Profile 26°
- 6 x EK LED Full Colour Profile 25-50° zoom
- 22 x ETC 750w Source Four 19°
- 10 x ETC 750w Source Four 26°
- 6 x ETC 750w Source Four 15/30° zoom
- 8 x Robert Juliat 329 2k Fresnel's
- 8 x Robert Juliat 329 2k PC
- 10 x 110v Par 64 MFL
- 10 x 110v Par 64 NSP on two way bars
- 10 x Martin Rush MH2 RGBW Zoom Par
- 6 x PLCYC2
- 8 x PLCYC MK II
- Unique 2.1 hazer
- 2 x LDR Canto 1200w MSR follow spots (on bridge one)

Additional lighting equipment is available for hire, for a list please contact the Technical Services Department.

ACCESSORIES

- 10 x Iris' four ETC Source Four profiles
- 20 x 'B size' gobo holders
- 8 x Medium B size breakup gobos
- 8 x Vertical slot B size gobos
- 8 x Horizontal slot B size gobos
- 10 x Trolley boom bases (various pipe heights available)
- 40 x S4 size top hats
- 12 x S4 size half hats

Accessories are shared between multiple spaces, please confirm availability.

LIGHTING CONTROL

- 1 x Grandma 2 ultra-light
- 20 x HPC 10 amp digital dimmer racks
- *14 racks are fixed position for catwalk outlets*
- *6 racks are mobile for galleries and stage level positions*
- DMX is distributed via Pathport nodes over a Cat6 network. Network ports for additional nodes are available around the venue.
- House lights are controlled via a Dyalite System with DMX input as required.

Audio and Vision Information

The Powerhouse Theatre is supplied with a Martin Audio MLA Compact audio system for sound reinforcement. This system is supplemented with front fill, subwoofers, and stage monitors as required. A standard package of microphones, stands, cables, and power leads and interconnects are included in the standard venue hire. Additional audio equipment is available for hire. Please contact Brisbane Powerhouse Technical Services for a list of available equipment.

CONSOLE & STAGE RACK

- 1 x Digico SD8/24 digital mixing console
- 1 x 48in/16out Digico Madi Stage Rack
- 1 x Martin Audio Merlin digital loudspeaker and network manager.

FRONT OF HOUSE PA

- 16 x Martin Audio WPC
- 2x Martin Audio SXH218
- 6x Martin Audio DD6 (Front Fill)
- 5x Martin Audio CDD6 (Under Balcony Delays)
- 6x Ikon IK42 Amplifier

MONITOR SYSTEM

- 9 x Martin Audio LE1200
- 4 x QSC amplifiers (2 channels per amp)

A Digico SD9 mixing console is available to hire as a monitor console.

MICROPHONES AND DI BOXES

- 8 x SM 58
- 8 X SM 57
- 1X Beta 52
- 1X SM91
- 4X Rode NT5
- 6X Neumann KM 184
- 4X BSS audio DI
- 4X Radial DI

STANDS

- 12X tall boom mic stands
- 12X short Boom mic stands

ADDITIONAL AUDIO EQUIPMENT

Additional and specialty audio equipment such as side-fill speakers, wireless microphones, and recording interfaces are available for hire. Please contact Brisbane Powerhouse Technical Services for further details.

VISION

No vision equipment is included in the standard venue hire.

The following vision equipment is available for hire:

- Panasonic RZ-970 Laser Projector with various lens options
- HD220 16:9 screen (Front and rear projection)
- Dalite 4:3 screen
- Roland V-40HD video switcher

Please discuss any vision requirements with Brisbane Powerhouse Technical Services staff.



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Contacts

Naomi Gordon, Technical Director
NaomiG@brisbanepowerhouse.org

Matt Staples, Head of Staging
MattS@brisbanepowerhouse.org

Mark James, Head of Audio Visual
MarkJ@brisbanepowerhouse.org

Ben Shotton, Head of Lighting
BenS@brisbanepowerhouse.org